



# Navy Enterprise Open Architecture

## *“The Role of OA in Navy’s Transformation”*



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# DOD Transformation is a continuing process that does not have an end point



***"In the United States, we think of military transformation as a continuing process. Our platforms are flexible, but they will need to become more flexible."***

*Secretary of Defense Donald H. Rumsfeld*



***"By adapting to new technology and new ways of doing business, the Navy is now more capable, more ready, more effective and more efficient."***

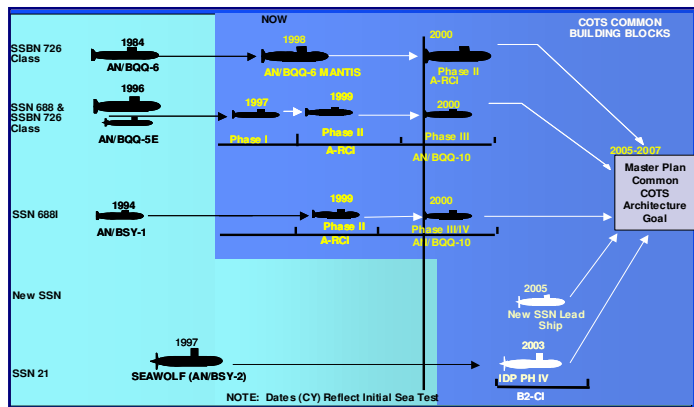
*Chief of Naval Operations Admiral Mike Mullen*

Source: [http://www.defenselink.mil/transformation/about\\_transformation.html](http://www.defenselink.mil/transformation/about_transformation.html)

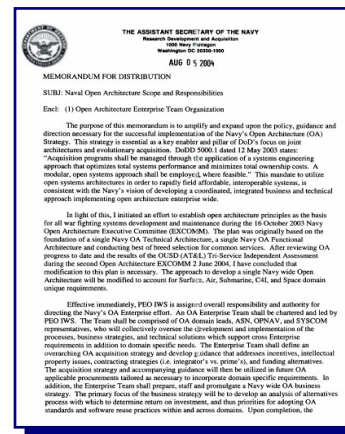


# OA is part of Navy's Transformation: 2005 Objectives

- Objective 10 (Alignment): Align organizations and processes to ensure service collaboration on key joint concepts and capabilities.
  - Continue transformation of Naval combat and weapon systems through the aggressive implementation of open architecture precepts across the enterprise.



**Submarines with the Acoustic Rapid COTS Insertion program**



**OA Enterprise Authorization Aug '04**

	FY 2008	2009	2010	2011	2012	2013	2014
CG MOD 52-73 OACE	CG 52	CG 53	CG 54	CG 55	CG 56	CG 57	CG 58
DDG Mod 51-78 B/L 5.3.8 OACE	Initial OACE and Common Infrastructure		DDG 51	DDG 52	DDG 53	DDG 54	DDG 55
DDG Mod 79-90 B/L 6.3 Non-OA COTS Refresh			DDG 79	DDG 80	DDG 81	DDG 82	DDG 83
DDG Mod 91-102 B/L 7.1 OACE			DDG 91	DDG 92	DDG 93	DDG 94	DDG 95
DDG 103-112 Migrate to OACE via Tech Refresh			DDG 103	DDG 104	DDG 105	DDG 106	DDG 107
Major Availabilities	1	2	7	11	10	10	6

**OA Computing Environment Fielding**

**OA Systems and Processes Underway**



## Challenges Remain to Achieve Transformation

- Common functional architectures within Domains (ships, subs, aircraft, etc) to enable component reuse
- Widespread implementation of OA Business Practices
- Favorable industry alignment to support OA

***Full OA Implementation will Accelerate the Navy's Transformation***